

Flight Delay Prediction x | https://obsproject.com x | https://obsproject.com x | https://games.ask.com x | https://getask.com/v x | Home Page - Select x | flight delay - Jupyter | x

localhost:8888/notebooks/flight%20delay.ipynb

jupyter flight delay Last Checkpoint: Yesterday at 2:21 PM (autosaved) Logout

File Edit View Insert Cell Kernel Widgets Help Not Trusted Python 3 (pykernel)

IBM Cloud Deployment

```
In [63]: wml_cred={
        "apikey": "Uduv0CM_276a-R350_Xumpha02XA_ztzP4feuDTZcjY",
        "url": "https://us-south.ml.cloud.ibm.com"
        }

In [65]: wml_clients=APIClient(wml_cred)

In [66]: wml_clients.spaces.list()

Note: 'limit' is not provided. Only first 50 records will be displayed if the number of records exceed 50

-----
ID              NAME      CREATED
70d44994-9879-a2d2-a83a79c326ac models  2022-11-13T12:03:52.875Z
-----

In [67]: space_id="70d44994-9879-a2d2-a83a79c326ac"

In [68]: wml_clients.set.default_space(space_id)

Out[68]: 'SUCCESS'

In [69]: wml_clients.software_specifications.list("%00")

-----
NAME              ASSET_ID              TYPE
default_py3.6     0062b0c9-8b7d-44a0-a9b9-46c416adcbd9 base
kernel-spark3.2-scala2.12 020d69ce-7ac1-5e68-ac1a-31189867356a base
pytorch-onnx_1.3-py3.7-edt 069ea134-3346-5748-b513-49120e15d288 base
scikit-learn_0.20-py3.6   09c5a1d0-9c1e-4473-a344-eb7b665ff687 base
spark-mllib_3.0-scala_2.12 09f4cff8-90a7-5899-b9ed-1ef348aebdee base
pytorch-onnx_rt22.1-py3.9 0b848dd4-e681-5599-be41-b5f6fcccc6471 base
ai-function_0.1-py3.6     0cdb0f1e-5376-4f4d-92dd-da3b69aa9bda base
-----
```

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In [70]: `MODEL_NAME="RandomForestClassifier()"
DEPLOYMENT_NAME="flight delay"
DEMO_MODEL=model`

In [71]: `soft_sepc_id=wml_clients.software_specifications.get_id_by_name("runtime-22.1-py3.9")`

In [72]: `model_props={
wml_clients.repository.ModelMetaNames.NAME:MODEL_NAME,
wml_clients.repository.ModelMetaNames.TYPE:"scikit-learn_1.0",
wml_clients.repository.ModelMetaNames.SOFTWARE_SPEC_UID: soft_sepc_id
}`

In [73]: `wml_clients.set.default_project("9574c591-01f0-4448-b75a-8a3410a83c34")`  
Unsetting the space\_id ...  
Out[73]: 'SUCCESS'

In [74]: `wml_clients.set.default_space("70d44994-9879-4777-a2d2-383a79c326ac")`  
Unsetting the project\_id ...  
Out[74]: 'SUCCESS'

In [75]: `model_details=wml_clients.repository.store_model(
model=DEMO_MODEL,
meta_props=model_props,
training_data=x_train,
training_target=y_train)`

In [76]: `model_details`

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File Edit View Insert Cell Kernel Widgets Help Not Trusted Python 3 (pykernel)

model\_id=wm1\_clients.repository.get\_model\_id(model\_details)  
dep\_props={  
 wm1\_clients.deployments.ConfigurationMetaNames.NAME:DEPLOYMENT\_NAME,  
 wm1\_clients.deployments.ConfigurationMetaNames.ONLINE:{}  
}  
  
In [77]: deployment=wm1\_clients.deployments.create(artifact\_uid=model\_id,meta\_props=dep\_props)  
  
#####  
Synchronous deployment creation for uid: '48715e73-a2bd-4302-ac10-cae372e3c792' started  
#####  
  
initializing  
Note: online\_url is deprecated and will be removed in a future release. Use serving\_urls instead.  
ready  
  
-----  
Successfully finished deployment creation, deployment\_uid='d3f9118c-8ac7-413d-a18c-dca7fcbcd77'  
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18:44  
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